

ABSTRACT OF THE DISCLOSURE

An apparatus for controlling an electromagnetic parts feeder comprises a vibrating unit provided with an electromagnet that vibrates at a predetermined frequency, a bowl adapted to discharge parts accommodated therein by means of the vibrating unit, a driving circuit for driving the electromagnet, and a control unit for outputting a driving signal to the driving circuit to cause a predetermined driving. The control is performed by idling the driving of the electromagnet temporarily at every predetermined driving cycles thereof and controlling the vibration of the electromagnet based on a signal obtained from a coil of the electromagnet by its electromagnetic induction during the idling period, for instance, based on a phase difference between a waveform of this signal and the driving signal of the driving circuit.